

*Shop* means the building which houses one or more submerged arc furnaces.

*Shutdown* means the cessation of operation of an affected source for any purpose.

*Startup* means the setting in operation of an affected source for any purpose.

*Submerged arc furnace* means any furnace wherein electrical energy is converted to heat energy by transmission of current between electrodes partially submerged in the furnace charge. The furnace may be of an open, semi-sealed, or sealed design.

*Tapping emissions* means a source of air pollutant emissions that occur during the process of removing the molten product from the furnace.

*Tapping period* means the time from when a tap hole is opened until the time a tap hole is closed.

**§ 63.1652 Emission standards.**

(a) *New and reconstructed submerged arc furnaces.* No owner or operator shall cause to be discharged into the atmosphere from any new or reconstructed submerged arc furnace exhaust gases (including primary and tapping) containing particulate matter in excess of one of the following:

(1) 0.23 kilograms per hour per megawatt (kg/hr/MW) (0.51 pounds per hour per megawatt [lb/hr/MW]), or

(2) 35 milligrams per dry standard cubic meter (mg/dscm) (0.015 grains per dry standard cubic foot [gr/dscf]).

(b) *Existing open submerged arc furnaces.* No owner or operator shall cause to be discharged into the atmosphere from any existing open submerged arc furnace exhaust gases (including primary and tapping) containing particulate matter in excess of one of the following:

(1) 16.3 kilograms per hour (kg/hr) (35.9 pounds per hour [lb/hr]) when producing silicomanganese, or

(2) 6.4 kg/hr (14.0 lb/hr) when producing ferromanganese.

(c) *Existing semi-sealed submerged arc furnaces.* No owner or operator shall cause to be discharged into the atmosphere from any existing semi-sealed submerged arc furnace exhaust gases (including primary, tapping, and vent stacks) containing particulate matter

in excess of 11.2 kg/hr (24.7 lb/hr) when producing ferromanganese.

(d) *MOR process.* No owner or operator shall cause to be discharged into the atmosphere from any new, reconstructed, or existing MOR process exhaust gases containing particulate matter in excess of 69 mg/dscm (0.03 gr/dscf).

(e) *Crushing and screening equipment.* (1) *New and reconstructed equipment.* No owner or operator shall cause to be discharged into the atmosphere from any new or reconstructed piece of equipment associated with crushing and screening exhaust gases containing particulate matter in excess of 50 mg/dscm (0.022 gr/dscf).

(2) *Existing equipment.* No owner or operator shall cause to be discharged into the atmosphere from any existing piece of equipment associated with crushing and screening exhaust gases containing particulate matter in excess of 69 (mg/dscm) (0.03 gr/dscf).

**§ 63.1653 Opacity standards.**

No owner or operator shall cause emissions exiting from a shop due solely to operations of any affected submerged arc furnace, to exceed 20 percent opacity for more than one 6-minute period during any performance test, with the following exceptions:

(a) Visible particulate emissions from a shop due solely to operation of a semi-closed submerged arc furnace, may exceed 20 percent opacity, measured as a 6-minute average, one time during any performance test, so long as the emissions never exceed 60 percent opacity, measured as a 6-minute average.

(b) Blowing taps, poling and oxygen lancing of the tap hole; burndowns associated with electrode measurements; and maintenance activities associated with submerged arc furnaces and casting operations are exempt from the opacity standards specified in this section.

**§ 63.1654 Operational and work practice standards.**

(a) *Fugitive dust sources.* (1) Each owner or operator of an affected ferromanganese and silicomanganese production facility must prepare, and